



Product Evaluation

WIN2073 | 0316

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2073

Effective Date: March 1, 2016

Re-evaluation Date: October 2017

Product Name: Kona 3800 Aluminum Casement Windows Individual and Mulled, Impact Resistant

Manufacturer: Fleetwood Windows and Doors
1 Fleetwood Way
Corona, CA 92879
(800) 736-7363

General Description:

| System | Description | Label Rating | Design Pressure Rating |
|--------|---------------------------------------------|-------------------------------------|------------------------|
| 1 | Kona 3800 Aluminum Casement Windows | LC-PG65 42x65-C Missile Level D | +65 / -85 psf |
| 2 | Kona 3800 Aluminum Casement Windows | LC-PG65 42x84-C Missile Level D | +65 / -65 psf |
| 3 | Kona 3800 Aluminum Casement Windows; Triple | LC-PG65 125x84-C Missile Level D | +65 / -85 psf |

Product Dimensions:

| System | Overall Size | Operable Sash Size |
|--------|--------------|------------------------------|
| 1 | 42" x 65" | 37-1/2" x 60-1/4" |
| 2 | 42" x 84" | 37-1/2" x 79-1/4" |
| 3 | 125" x 84" | Three (3): 37-1/2" x 79-1/4" |

Product Identification (Certification Label on Window):

| System | | |
|---------|----------------------------------|--------------------------------------------------------------------------------------|
| 1, 2, 3 | Certification Agency | NAMI |
| | Manufacturer's Name or Code Name | Fleetwood Windows & Doors |
| | Product Name | Kona 3800 Casement Window |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-05, ASTM E 1996-06 Missile Level D |

Impact Resistance:

| System | Impact Resistant | Requirement |
|---------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1, 2, 3 | Yes | These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies |

Installation:

Systems 1 and 2: Use minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing using the frame of the assembly with minimum No. 10 x 2" PPH wood screws. Locate the fasteners approximately 6" from each corner, 18" on center along each side jamb, and at the mid span along the head and the sill. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 3: Use minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing using the frame of the assembly with minimum No. 10 x 2" PPH wood screws. Along the side jambs, locate the fasteners approximately 6" from each corner and 18" on center. Along the head, locate the fasteners approximately 6" from each corner, at the mid span of each window, and 3" and 7" on either side of the centerline of each intermediate jamb. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.